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IN THE SPECIFICATION

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2 Replace the paragraph starting on page 16, line 22 with the following paragraph:

3 Referring to Figure 23, in yet another embodiment of the present
4 invention for detecting rotation of the shaft, the first region
5 is provide by a disk-shaped surface attached to the shaft 1 and
6 the second region 8 is provided by the air surrounding the
7 surface. The edge between the first region 7 and the second
8 region 8 is provided by the periphery of the disc. A pair of
9 transducers 3 and 3' as herein before described face opposite
10 edges of the disc. The axis of rotation of the shaft 1 is offset
11 relative to the center of the disc. Referring to Figure 24, as
12 the shaft rotates, ~~the resistance of the~~ In operation, the
13 resistance of the heater 4 on one of the transducers 3 follows a
14 triangular wave form. Similarly, referring to Figure 25, as the
15 shaft rotates, the resistance of the heater 4' on the other
16 transducer 3' follows a triangular wave form. However, the
17 triangular wave form associated with the resistance of heater 4'
18 is 90 degrees out of phase from the triangular wave form
19 associated with the resistance of heater 4. Referring to Figure
20 26, a composite output from the transducers 3 and 3', in which
21 any DC offset in the detected signals is removed, can be created
22 by subtracting the output from one of the heaters 4 and 4' from
23 the other.

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